

Title (en)

Method of manufacturing liquid crystal display device.

Title (de)

Verfahren zur Herstellung einer Flüssigkristall-Anzeigevorrichtung.

Title (fr)

Procédé de fabrication d'un dispositif d'affichage à cristal liquide.

Publication

EP 0631171 A1 19941228 (EN)

Application

EP 94113250 A 19900313

Priority

- EP 90104746 A 19900313
- JP 6074289 A 19890315
- JP 19250389 A 19890727

Abstract (en)

The present invention relates to a method of manufacturing a liquid crystal display device including first and second substrates (2, 52; 4, 54) each having a transparent electrode (12, 62, 17, 69) on an inner surface thereof, a color filter (18, 68) provided on said first substrate (2, 52) and having a plurality of color portions (36, 86) formed thereon, a liquid crystal composition (6, 56) sandwiched between the first and second substrates (2, 52; 4, 54), and driving means for applying a voltage to said first and second substrates (2, 52; 4, 54). This method comprises the steps of: (a) forming at least one coating layer (28, 78, 67) on at least one light-transmitting substrate (8, 58, 60) of said first and second substrates (2, 52; 4, 54); (b) forming at least one transparent electrode (12, 62, 69) with a predetermined shape on said coating layer (29, 78, 67); and (c) subjecting that region of said coating layer (29, 78, 67) which is not covered with said transparent electrode (12, 62, 68), to thermal treatment to be colored. <IMAGE>

IPC 1-7

G02F 1/1335; **G02F 1/1333**

IPC 8 full level

G02F 1/1333 (2006.01); **G02F 1/1335** (2006.01); **G02F 1/1343** (2006.01)

CPC (source: EP KR)

G02F 1/1335 (2013.01 - KR); **G02F 1/133512** (2013.01 - EP); **G02F 1/133514** (2013.01 - EP)

Citation (search report)

- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 458 (P - 794) 2 December 1988 (1988-12-02)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 458 (P - 794) 2 December 1988 (1988-12-02)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 010, no. 149 (P - 461) 30 May 1986 (1986-05-30)

Cited by

US6842206B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0631171 A1 19941228; **EP 0631171 B1 19970827**; JP 2619062 B2 19970611; JP H037911 A 19910116; KR 900014925 A 19901025; KR 930010664 B1 19931105

DOCDB simple family (application)

EP 94113250 A 19900313; JP 19250389 A 19890727; KR 890019865 A 19891227